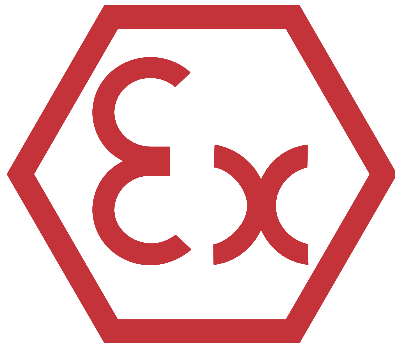




R&M

ELECTRICAL GROUP LTD



nLLK 10 Ex-Light Fittings

Efficient lighting for your safety, with energy saving T5 fluorescent lamps qualified for zones 2 and 22





Efficient lighting engineering for Zone 2 and 22

The efficient solution for your explosion protected lighting engineering

The series of light fittings nLLK 10 for T5 bi-pin fluorescent lamps (Ø 16 mm) combines latest lighting engineering with the requirements of harsh and hazardous environments.

Be on the safe side by the right certificates

The explosion protected luminaires are approved for use in gas- and dust-Ex-areas fulfilling the requirements of the ATEX directive 94/9/EC. They are designed and tested according to the latest standards IEC/EN 60079-0 and IEC/EN 60079-15 for Ex-equipment for use in Zone 2 gas Ex-areas and IEC/EN 61241-0 and IEC/EN 61241-1 for use in Zone 22 of dust Ex-areas.

Energy saving lighting engineering

The nLLK 10 luminaires for T5 fluorescent lamps are helping to increase your safety and save energy. The clear energy saving and the higher quality of lighting are made by use of T5 bi-pin fluorescent lamps with increased efficiency factor. That will sustainably reduce your costs of operations.

Safety with long-term effect

The luminaires are equipped with electronic ballasts including EOL-circuit. Thereby the lamps will be monitored at end of life and switched off safely.

Easy and economically to install

The standard single-sided through-wiring architecture in conjunction with the generously large terminal compartment offers a cost efficient installation. Double sided lock with 10 or 20 latch points allows the protective bowl to be hingeable on both sides meaning the fitting can be mounted without having to pay attention to which side is the right side.

- Energy savings by modern and efficient T5 (Ø 16 mm) fluorescent lamps
- Cost efficient installation due to singlesided through wiring
- High safety by electronic ballast with EOL set-up
- Easy maintenance by double sided safety lock
- High degree of protection IP 66

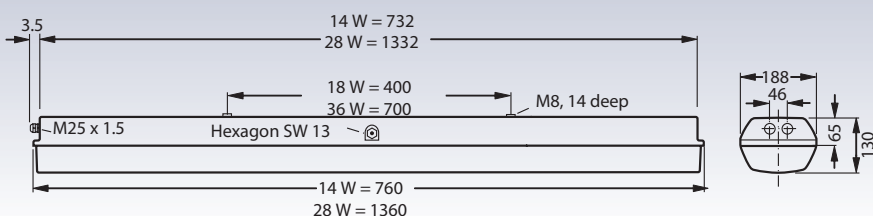




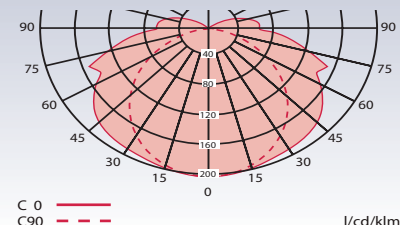
Ordering details

Type	Terminals	Through wiring		Cable entry/thread	Blanking Plug	Order-No.
		Single-ended	Double-ended			
nLLK 10014/14 (2 x 14 W)						
1/6-1K	1 x 6	x	-	1 x M25 x 1,5	1 x Screw-in	1 3467 214 001
1/6-1M ¹⁾	1 x 6	x	-	2 x M20 x 1,5	1 x Screw-in	1 3467 214 021
2/6-2K	2 x 6	-	x	2 x M25 x 1,5	2 x Screw-in	1 3467 214 011
2/6-2M ¹⁾	2 x 6	-	x	4 x M20 x 1,5	2 x Screw-in	1 3467 214 031
nLLK 10028/28 (2 x 28 W)						
1/6-1K	1 x 6	x	-	1 x M25 x 1,5	1 x Screw-in	1 3467 228 001
1/6-1M ¹⁾	1 x 6	x	-	2 x M20 x 1,5	1 x Screw-in	1 3467 228 021
2/6-2K	2 x 6	-	x	2 x M25 x 1,5	2 x Screw-in	1 3467 228 011
2/6-2M ¹⁾	2 x 6	-	x	4 x M20 x 1,5	2 x Screw-in	1 3467 228 031

Dimension Drawing



Polar Curve



Accessories

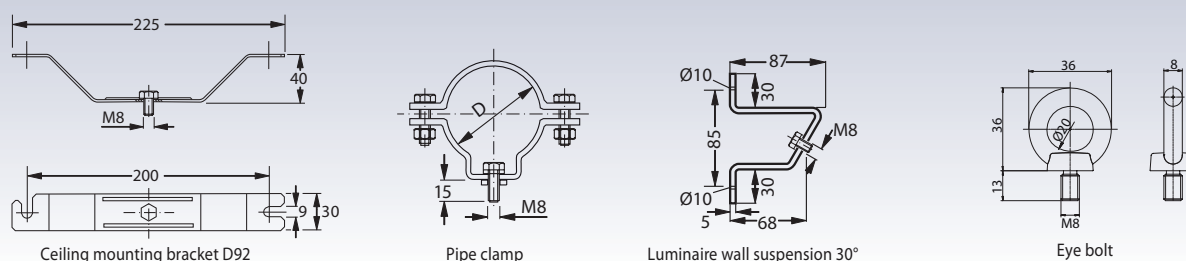
Lamp for luminaire nLLK10

Types of lamp	Power	Luminous flux	Light colour	Package unit	Order No.
T5/Ø 16 mm G5-81-IEC- Type HE Bi-pin socket G5	14 W	1200 lm	840 white	1	3 2475 900 004
T5/Ø 16 mm G5-81-IEC- Type HE Bi-pin socket G5	28 W	2600 lm	840 white	1	3 2475 900 005

Fixing materials nLLK 10

Type/code	Corrosion protection	for pipes DIN	Outer Ø / mm	Package unit	Order No.
Eye bolt A2	Galvanized	-	-	-	2 2 2480 002 000
Hexagon screw S4	Stainless steel	-	-	-	2 2 2480 054 000
Ceiling mounting bracket D92	Stainless steel	-	-	-	2 2 2480 092 000
Pipe clamp R12	Hot galvanized	1 1/4"	38 - 42	2	2 2480 462 000
Pipe clamp R14	CrNi	1 1/4"	38 - 42	2	2 2480 464 000
Pipe clamp R22	Hot galvanized	1 1/2"	47 - 51	2	2 2480 472 000
Pipe clamp R24	CrNi	1 1/2"	47 - 51	2	2 2480 474 000
Pipe clamp R32	Hot galvanized	2"	56 - 60	2	2 2480 482 000
Pipe clamp R34	CrNi	2"	56 - 60	2	2 2480 484 000
Luminaire wall suspension 30°	Hot galvanized	-	-	-	2 2 2480 550 013
Hexagon key SW 13 for nLLK 10	-	-	-	-	1 3 2485 000 005

Dimension Drawing, Accessories





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Technical Data

nLLK 10 ...

Marking to 94/9/EC	D II 3 G Ex nA de IIC T4 Gc /D II 3 D Ex tD A22 IP66 T80 °C
Examination Certificate	BVS 10 ATEX E 149
Permissible ambient temperature	-25 °C bis +50 °C -25 °C bis +45 °C (with through wiring)
IK-Class accd. EN 50102	IK 10 Δ 20 J
Rated voltage	220 - 240 V AC / DC
Frequency	50 - 60 Hz
Power factor cos	$\geq 0,95$
Circuit	Electronic ballast
Connecting terminals	Screw terminals, max. 2 x 6mm ² single wire (L1, L2, L3, L, N, PE)
Insulation class	I
Lamp cap	G 5 accd. to IEC 60081
Degree of protection accd.	EN 60529 IP 66
Cable glands/gland plates/encl. drilling	Ex-e cable glands M 25 x 1,5 (plastic) for cables from \varnothing 8 - 17 mm (optional M 20 x 1.5 metal thread)
Enclosure material	Glass-fibre reinforced polyester
Protective cover/Protective bowl	Polycarbonate

nLLK 10014/14

Rated current	0,13 A
Lamp/illuminant	2 x T5 / 14 W HE
Rated luminous flux ¹⁾	1200 lm
Light efficiency in operation	86 %
Dimensions in mm (L x B x H)	760 x 188 x 130
Weight	3.6 kg

nLLK 10028/28

Rated current	0,26 A
Lamp/illuminant	2 x T5 / 28 W HE
Rated luminous flux ¹⁾	2600 lm
Light efficiency in operation	85 %
Dimensions in mm (L x B x H)	1360 x 188 x 130
Weight	5.8 kg

For more on this product please contact us

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